

Converting Colors

XYZ(66.6307, 43.6719, 97.8532)

Have a look what the booklet for
XYZ(66.6307, 43.6719, 97.8532)
contains.

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Color

**XYZ(66.6888, 43.7902,
97.8660)**

Conversions

Conversions Part 1

Format	Color
Hex	FF80FD
RGB	255, 128, 253
RGB Percent	100%, 50%, 99%
CMY	0.0000, 0.4980, 0.0078
CMYK	0.00, 0.50, 0.01, 0.00
HSL	301°, 100%, 75%
HSV	301°, 50%, 100%
XYZ	66.6888, 43.7902, 97.8660
YIQ	180.2230, 35.5670, 65.7990

Conversions

Conversions Part 2

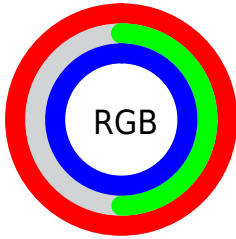
Format	Color
RYB	255, 128, 253
Decimal	16744701
CIELab	72.09, 64.61, -41.14
CIELCh	72, 76.593, 327.514
Yxy	43.7902, 0.3201, 0.2102
Android (android.graphics.Color)	4294934781 (0xFFFF80FD)
YUV	180.2230, 35.8791, 65.5794
Hunter-Lab	66.1742, 64.0834, -41.3630

Details

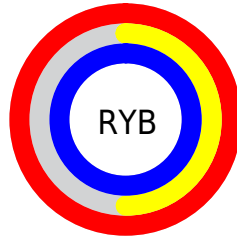
The XYZ color **66.6888, 43.7902, 97.8660** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **48.6927, 77.7215, 33.5564**, and the grayscale version is **43.3034, 45.5586, 49.6133**.

A 20% lighter version of the original color is **76.6390, 63.1779, 102.7630**, and **34.9820, 20.2278, 54.2851** is the 20% darker color. If you saturate the color by 10%, you get **63.7071, 37.9289, 96.5575**, and if you desaturate by 10%, it is **70.5080, 51.3260, 99.4555**.

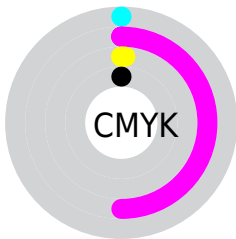
Distribution



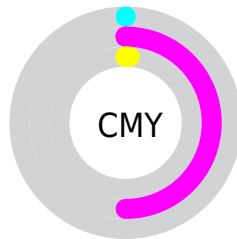
- Red (100%)
- Green (50%)
- Blue (99%)



- Red (100%)
- Yellow (50%)
- Blue (99%)



- Cyan (0%)
- Magenta (50%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.6888, 43.7902, 97.8660 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 66.6888, 43.7902, 97.8660 by changing the saturation by 10% instead.


 66.6888, 43.7902,
97.8660


 66.6888, 43.7902,
97.8660


438.2862,
361.8515, 574.5171


 49.1015, 30.5056,
73.9126

 113.5266, 80.9020,
160.2477

 34.9149, 20.2227,
54.2262


 143.5079,
105.4979, 199.5131

 23.7635, 12.5570,
38.3881

 178.3513,
134.6331, 244.7195

 15.2821, 7.1242,
25.9799

218.4220,
168.6919, 296.2856

 9.1052, 3.5399,
16.5830

264.0855,
208.0588, 354.6299

 4.8675, 1.4197,
9.7788

315.7071,

 2.2037, 0.2312,

253.1180, 420.1709

5.1489

373.6522,
304.2541, 493.3271

■ 0.7447, 0.0000,
2.2746

■ 0.0000, 0.0000,
0.7169

■ 66.6888, 43.7902,
97.8660

■ 66.6888, 43.7902,
97.8660

■ 63.7071, 37.9289,
96.5575

■ 70.5080, 51.3260,
99.4555

■ 61.4964, 33.6095,
95.5060

■ 75.2193, 60.6459,
101.3425

■ 59.9845, 30.6875,
94.6882

■ 80.8756, 71.8557,
103.5451

■ 59.0845, 28.9890,
94.0749

■ 87.5253, 85.0518,
106.0795

■ 58.6571, 28.2356, 95.0500, 100.0000,
93.6199 108.9000

■ 58.6503, 28.2241,
93.6115

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.3757, 43.7902, 144.5407



66.6888, 43.7902, 97.8660



72.1982, 43.7902, 50.8774

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.6888, 43.7902, 97.8660



42.7232, 43.7902, 5.8237



23.0403, 43.7902, 89.3727

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



66.6888, 43.7902, 97.8660



48.6927, 77.7215, 33.5564

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



21.1875, 43.7902, 44.6196



66.6888, 43.7902, 97.8660



31.0357, 43.7902, 8.0513

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.6888, 43.7902, 97.8660



56.6683, 43.7902, 9.0453



23.7846, 43.7902, 18.4828



29.5057, 43.7902, 138.0864

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.6888, 43.7902, 97.8660



70.5592, 43.7902, 29.0988



23.7846, 43.7902, 18.4828



21.9253, 43.7902, 72.8512

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



66.6897, 43.7919, 97.8669



83.9416, 77.9382, 104.7197



34.6730, 27.2496, 98.0400



17.6727, 16.0982, 22.3019



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.6897, 43.7919, 97.8669



63.6559, 37.8286, 96.5342



58.4194, 40.4837, 54.3161



18.7796, 18.2952, 22.7226



30.6517, 14.7500, 48.9438



2.9883, 1.4377, 4.7856

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



66.6897, 43.7919, 97.8669



63.6559, 37.8286, 96.5342



54.1225, 79.8935, 62.1494



18.7796, 18.2952, 22.7226



30.6517, 14.7500, 48.9438



2.9883, 1.4377, 4.7856

Previews

White Background



This preview shows how the XYZ color 66.6888, 43.7902, 97.8660 looks on a white background.

Color Contrast Check

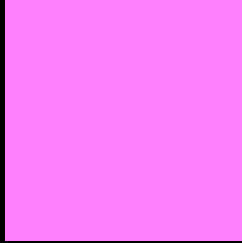
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 66.6888, 43.7902, 97.8660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

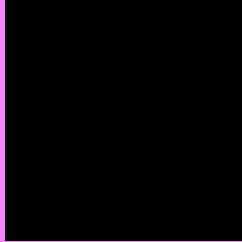
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.6888, 43.7902, 97.8660

Background



This preview shows how black text looks on a background with the XYZ color 66.6888, 43.7902, 97.8660.



This preview shows how white text looks on a background with the XYZ color 66.6888, 43.7902,

97.8660.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

66.6888, 43.7902, 97.8660

Protanopia

45.9576, 44.3640, 100.7486

Deuteranopia

45.3290, 44.2211, 92.5326



Tritanopia

54.6476, 43.6190, 39.2573

Trichromacy



Original Color

66.6888, 43.7902, 97.8660



Protanomaly

50.8553, 42.3008, 99.2504



Deuteranomaly

50.6560, 42.3074, 94.3032

Tritanomaly

58.1220, 43.1975, 56.3135

Monochromacy



Original Color

66.6888, 43.7902, 97.8660



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

49.7395, 43.2601, 64.7600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6888, 43.7902, 97.8660 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 128, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 253)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 128, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 253) }
```

Border

The CSS property to change the border of an element to XYZ 66.6888, 43.7902, 97.8660 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 128, 253) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 128, 253) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 128, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6888, 43.7902, 97.8660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 253) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
128, 253) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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